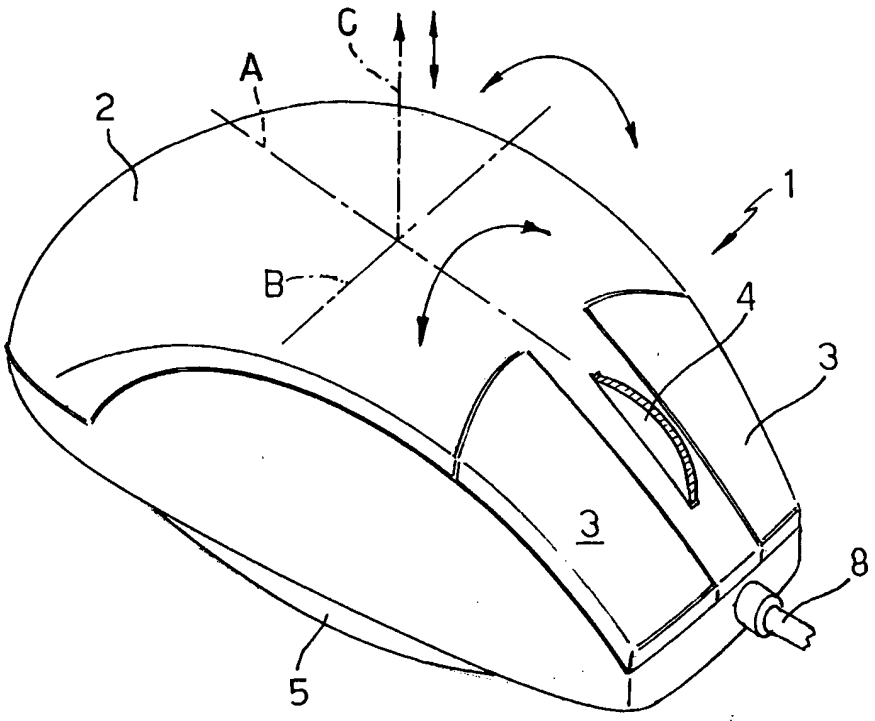

Fig.1

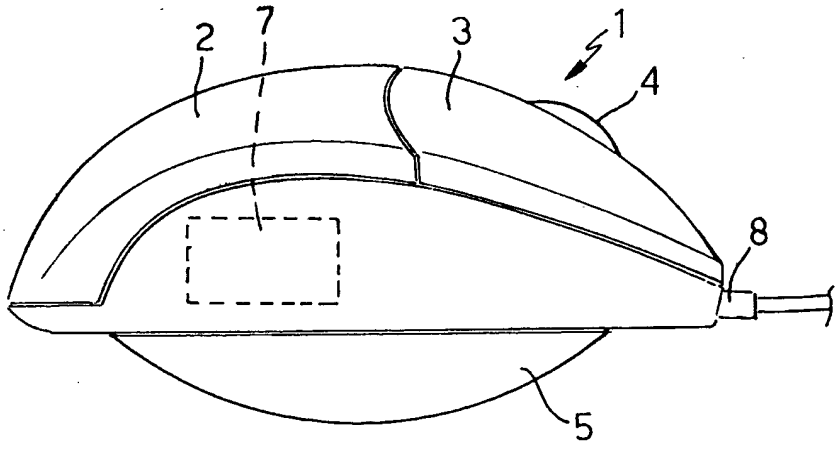

Fig.2

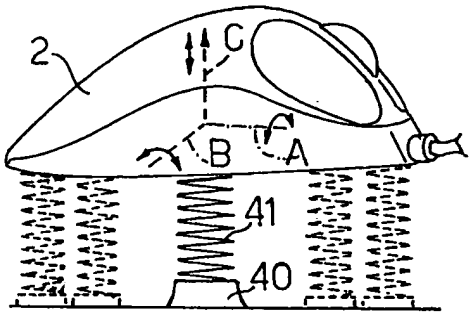

Fig.3

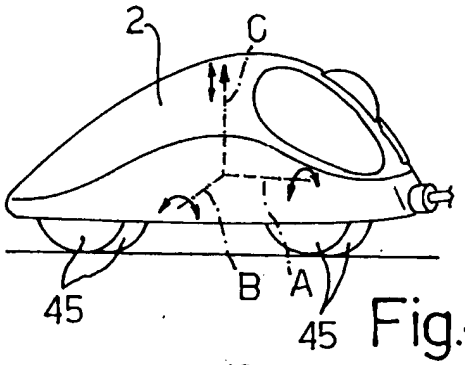

Fig.4

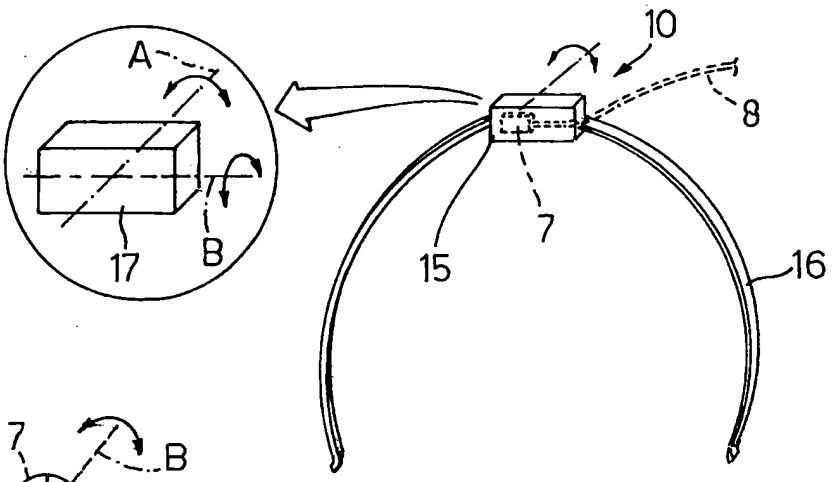

Fig.6

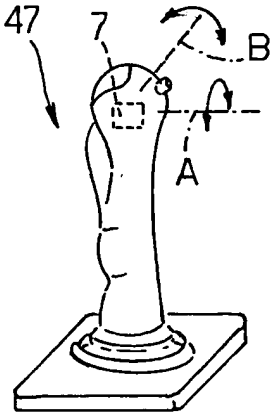

Fig.5

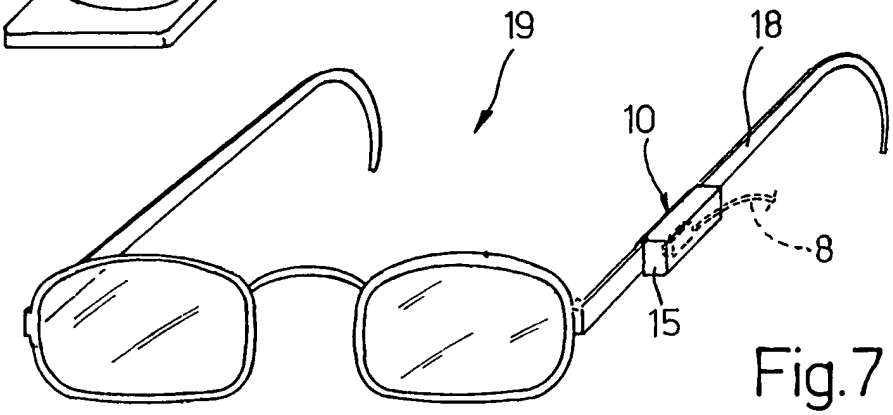

Fig.7

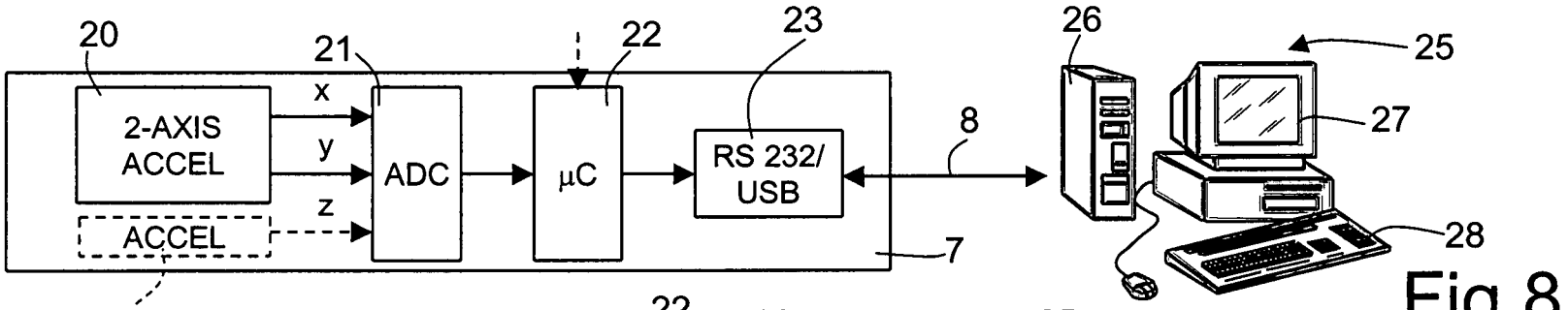

Fig.8

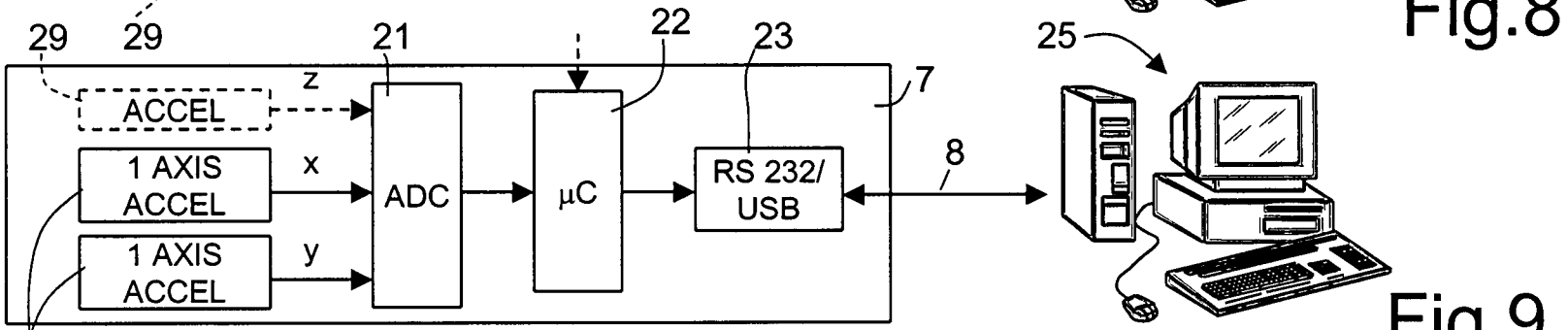

Fig.9

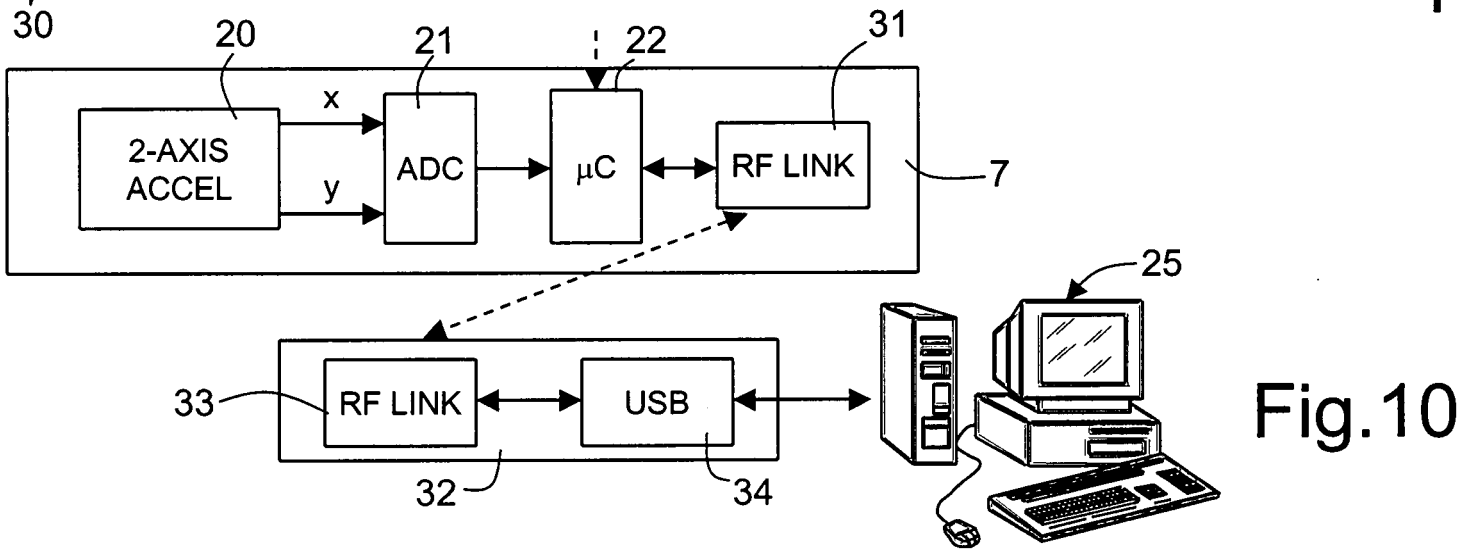

Fig.10

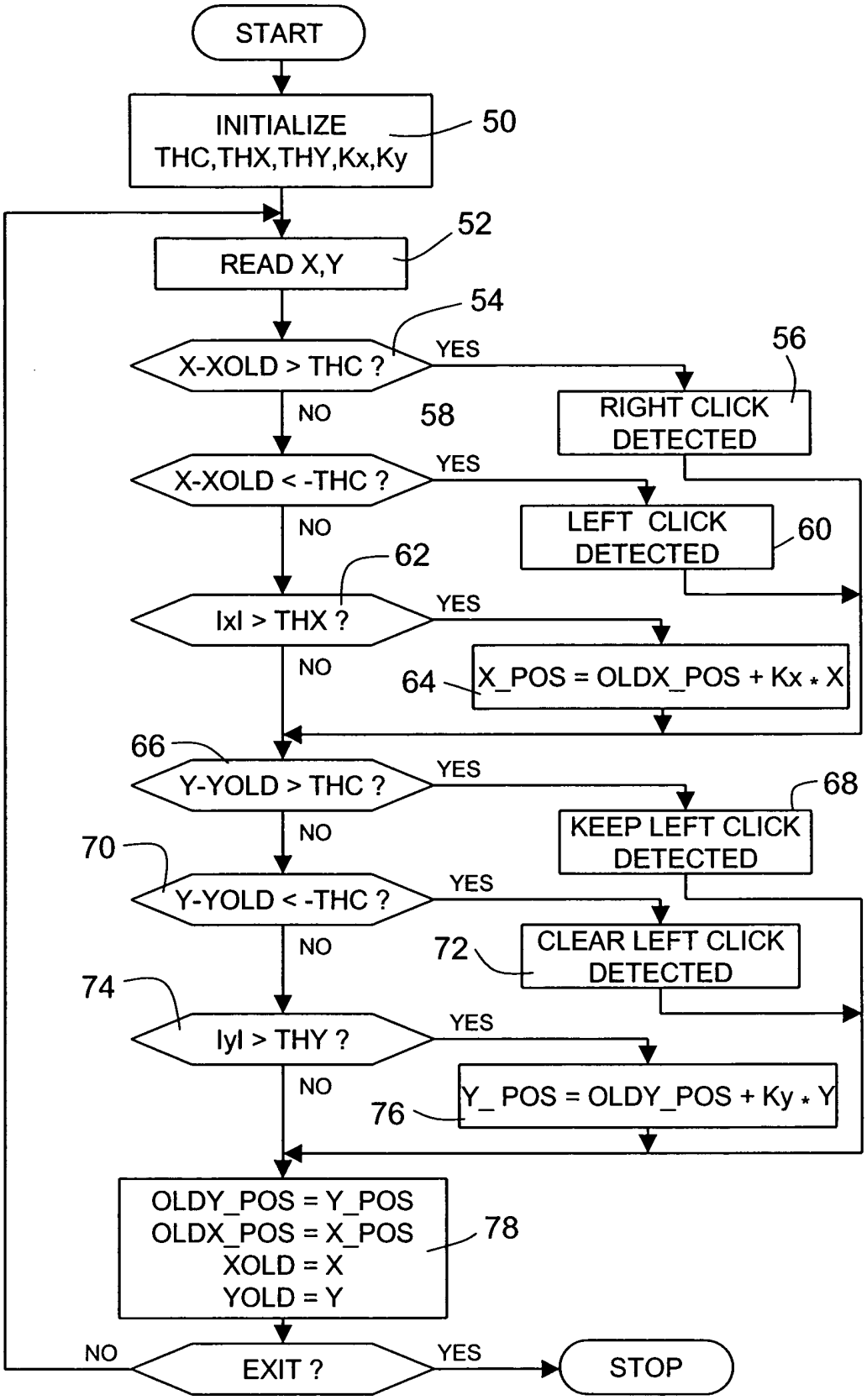
START
INITIALIZE
THC,THX,THY,Kx,Ky
50
READ X,Y
52
X-XOLD > THC ?
54
YES
56
RIGHT CLICK
DETECTED
NO
58
X-XOLD < -THC ?
YES
LEFT CLICK
DETECTED
60
NO
62
IxI > THX ?
YES
64
X_POS = OLDX_POS + Kx * X
NO
66
Y-YOLD > THC ?
YES
68
KEEP LEFT CLICK
DETECTED
NO
70
Y-YOLD < -THC ?
YES
72
CLEAR LEFT CLICK
DETECTED
NO
74
IyI > THY ?
YES
Y_ POS = OLDY_POS + Ky * Y
NO
76
OLDY_POS = Y_POS
OLDX_POS = X_POS
XOLD = X
YOLD = Y
78
NO
EXIT ?
YES
STOP

Fig.11